

Remarks

Reconsideration of this Application is respectfully requested.

Claims 7 and 15 are sought to be amended to correct for typographical errors. Claims 1-16 are pending in the application, with 1 and 11 being the independent claims. No new matter has been entered by any amendments.

Based on the following remarks, Applicant respectfully requests that the Examiner reconsider all outstanding rejections and that they be withdrawn.

Information Disclosure Statement

Applicants filed an Information Disclosure Statement (IDS) with the original filing of this instant application, on February 23, 2004. A copy of the 1449 from the IDS is attached hereto. The Examiner is asked to consider and acknowledge the references on the 1449, and return a signed and dated copy to the Applicants.

Rejections under Obviousness-Type Double Patenting

Claims 1-16 were rejected under obviousness-type double patenting as being unpatentable over claims 1-7 and 9-11 in U.S. Patent 6,441,655.

Although Applicants disagree with this rejection, Applicants are submitting a Terminal Disclaimer concurrently herewith to overcome the double patenting rejection. Thus, Applicants respectfully request the Examiner reconsider and withdraw the rejection.

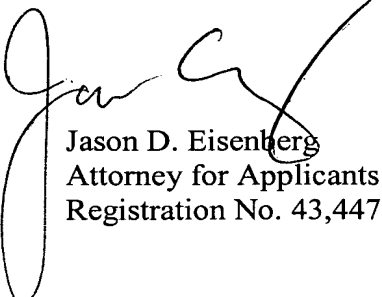
Conclusion

All of the stated grounds of rejection have been properly traversed, accommodated, or rendered moot. Applicants therefore respectfully request that the Examiner reconsider all presently outstanding rejections and that they be withdrawn. Applicants believe that a full and complete reply has been made to the outstanding Office Action and, as such, the present application is in condition for allowance. If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

Prompt and favorable consideration of this Amendment and Reply is respectfully requested.

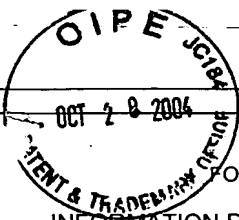
Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
1875.1000003APPLICATION NO.
To Be AssignedFIRST NAMED INVENTOR
Siavash FallahiFILING DATE
February 23, 2004ART UNIT
To Be Assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA1	5,081,655	01/1992	Long			
	AB1	5,889,436	03/1999	Yeung et al.			
	AC1	6,044,123	03/2000	Takla			
	AD1	6,157,694	12/2000	Larsson			
	AE1	6,181,213	01/2001	Chang			
	AF1	5,888,436	03/1999	Yeung et al.			
	AG1	6,441,655	08/2002	Fallahi et al.			
	AH1						
	AI1						
	AJ1						
	AK1						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL1	2 325 803 A	12/1998	UK			Yes No
	AM1	WO 90/06017	05/1990	PCT			Yes No
	AN1	1 045 518 A1	10/2000	Europe			Yes No
	AO1						Yes No
	AP1						Yes No

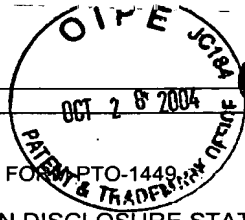
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	1	Mills, "Phase-Locked Loops," Printed from the McGraw-Hill Multimedia Encyclopedia of Science & Technology, Copyright © 1998, The McGraw-Hill Companies, Inc., pages 1-5.
	AS	1	Snow, "Frequency Divider," Printed from the McGraw-Hill Multimedia Encyclopedia of Science & Technology, Copyright © 1998, The McGraw-Hill Companies, Inc., pages 1-2.
	AT	1	Black et al., "Pulse Modulation," Printed from the McGraw-Hill Multimedia Encyclopedia of Science & Technology, Copyright © 1998, The McGraw-Hill Companies, Inc., pages 1-10.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



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Page 2 of 3

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	AG2						
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	AJ2						
	AK2						

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL2						Yes No
	AM2						Yes No
	AN2						Yes No
	AO2						Yes No
	AP2						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>2</u>	Alley, "Frequency-Modulation Detector," Printed from the McGraw-Hill Multimedia Encyclopedia of Science & Technology, Copyright © 1998, The McGraw-Hill Companies, Inc., pages 1-4.
	AS	<u>2</u>	Black <i>et al.</i> , "Amplitude Modulation," Printed from the McGraw-Hill Multimedia Encyclopedia of Science & Technology, Copyright © 1998, The McGraw-Hill Companies, Inc., pages 1-5.
	AT	<u>2</u>	Curtin <i>et al.</i> , "Phase-Locked Loops for High-Frequency Receivers and Transmitters - Part 1," <i>ADI - Analog Dialogue</i> , Vol. 33, Number 3, March, 1999, pages 1-9, http://www.analog.com/publications/magazines/Dialogue/archives/33-03/phase/ .

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FORM PTO-1449

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OCT 28 2004

ATTY. DOCKET NO.

1875.1000003

APPLICATION NO.

To Be Assigned

FIRST NAMED INVENTOR

Siavash Fallahi

FILING DATE

February 23, 2004

ART UNIT

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U.S. PATENT DOCUMENTS

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	AA3						
	AB3						
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	AJ3						
	AK3						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL2						Yes No
	AM2						Yes No
	AN2						Yes No
	AO2						Yes No
	AP2						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>3</u>	International Search Report, PCT/US00/33908, December 1999, 4 pages.
	AS	<u>3</u>	
	AT	<u>3</u>	

EXAMINER

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